

Abstract

In a fuel supply system (1), a fuel pressure regulating valve (11) disposed at a fuel outlet side of a low-pressure pump (3) in order to regulate the pressure of supply fuel from the low-pressure pump (3) to a predetermined pressure is housed inside a cylinder (31) such that a piston (32) is elastically urged by an elastic urging mechanism (33) toward a pressure receiving port (11A), the piston (32) is configured such that the pressure of the fuel at the fuel outlet side is regulated as a result of the piston opening/closing an overflow port (11B) disposed in a side wall portion of the cylinder (31) in response to the fuel pressure applied to the pressure receiving port (11A), a lubrication fuel outlet port (11C) for taking out fuel for lubrication is disposed in the side wall portion of the cylinder (31) at a position nearer to the pressure receiving port (11A) than the overflow port (11B), and lubricating-use fuel is taken out prior to the start of the pressure regulating operation.